AMENDMENTS TO THE DRAWINGS

The attached Replacement Sheets of Drawing Figures 3A, 11A, 11B, 13A and 13B address all of the drawing objections. Replacement Sheet of Drawing Figure 3A deletes reference numeral 5 and substitutes reference numeral 6 and deletes reference numeral 6 and substitutes reference numeral 5. Replacement Sheets of Drawing Figures 11A, 11B, 13A and 13B now clearly show that these figures are "Related Art". Also, Replacement Sheet of Drawing Figure 13B adds reference numeral 60 adjacent the previous stray lead line.

REMARKS

This is in full and timely response to the Official Action mailed February 24, 2006. Reconsideration and reexamination are respectfully considered.

Priority Claim

It is noted with appreciation that the certified copies of the priority documents have been received and acknowledged by the Examiner.

Drawings

Replacement Drawing Figures are filed with this paper to address the drawing objections in the manner provided above.

Information Disclosure Statement

The Information Disclosure Statement filed on September 27, 2004 has been considered by the Examiner as noted by the initialed PTO 1449 form.

Claims

Claims 1-7, 9 and 10 are pending in the application. By this Amendment, claim 8 is canceled without prejudice or disclaimer, claim 1 and 4 are amended and claims 9 and 10 are added.

Rejections/Objections

The drawings are objected to. Replacement Sheets of Drawing Figures as indicated above are filed herewith to overcome the objections to the drawing figures. Withdrawal of the objection is respectfully requested.

The Office Action indicates that the title of the invention is not descriptive. The title of the invention is changed as indicated above that the title is now clearly indicative of the invention to which the claims are directed.

Claims 1 -7 are rejected under 35 U.S.C. 103(a) as unpatentable over Yamamoto et al. (U.S. Patent No. 6,151,190) in view of Akiyama et al. (U.S. Patent No. 5,646,802). The rejection is respectfully traversed.

Yamamoto teaches a reading/writing head in a removable disk storage apparatus that can be stably and reliably moved so as to correspond to an information recording medium. A rotation supporting member for supporting the reading/writing head is formed of a rotary arm and an elastic supporting member fitted to a tip end portion of the rotary arm for supporting the reading/writing head. The rotary arm member is formed by bending it so that it should be dogleg-shaped. The elastic supporting body is fixed on a tip end portion of a bent portion thereof in the extended direction in which the elastic supporting body is bent. The rotary arm is inserted into a disk cartridge substantially straight with its tip end being faced to the disk cartridge and then supported by a ramp on a center line thereof.

Akiyama discloses a reduced height disk drive that includes a suspension-actuator assembly in which a head suspension is attached to an actuator on the same side of the head suspension as a transducer head is attached to the head suspension for writing and reading information on and from a disk. A spin motor cable is located on the outside of a housing and connected to pins extending from the housing through pins extending from the housing and lines contained in the housing. A printed circuit board having a through hole in which a connector is provided connects to pins extending from the housing. A flexible printed circuit inside the housing has a connector for connecting to the pins and at one end and a fixing member for mechanically attaching to the pins at the other end. The flexible printed circuit is attached to the pins in a folded condition.

Claim 1, as amended, is directed to a head actuator that includes an arm having a rotary drive section, two plate shaped elastic members attached towards the tip of the arm with a gap between each other, a magnetic head supported at the tip of each of the elastic members, a boss on the other end of each of the elastic members that protrudes in the direction of the side on which the magnetic head is provided and a fixing section, which has a hole into which the bosses are inserted, formed on the tip side of the arm. Claim 1 recites that the boss of one of the elastic members is inserted into the hole from one end section thereof and the boss of the other elastic member is inserted into the hole from the other end section thereof so as to have the fixing section held and fixed between the elastic members. Claim 1 for the recites that the elastic members are attached to the arm at an obtuse angle with respect to the direction in which the arm extends.

It is respectfully submitted that none of the applied art, alone or in combination, teaches or suggests the features of claim 1 as amended. Specifically, it is respectfully submitted that none of the applied art, alone or in combination, teaches or suggests the elastic members are attached to the arm at an obtuse angle with respect to the direction in which the arm extends. Thus, it is respectfully submitted that one of ordinary skill in the art would not be motivated to combine the features of the applied art because such combination would not result in the claimed invention. As a result, it is respectfully submitted that claim 1 is allowable over the applied art.

Claim 4, as amended, is directed to a hard disk apparatus that includesa head actuator in which two plate shaped elastic members are attached, with a gap between themselves, towards the tip of an arm having a rotary section, a magnetic head is attached to the tip of each of the elastic members, and the magnetic heads are positioned on both sides of a disk, a boss provided on the other end of each of the elastic members that protrudes in the direction of the side on which the magnetic head is provided and a fixing section, which has a hole into which the bosses are inserted, formed towards the tip of the arm. Claim 4 recites that the boss of one of the elastic members is inserted into the hole from one end section thereof and the boss of the other elastic member is inserted into the hole from the other end section thereof so as to have the fixing section held and fixed between the elastic members. Furthermore, claim 4 recites that the head actuator has a shape in which the elastic members are attached to the arm at an obtuse angle with respect to the direction in which the arm extends so that the elastic members are inclined towards the disk.

It is respectfully submitted that none of the applied art, alone or in combination, teaches or suggests the features of claim 4, as amended. Specifically, it is respectfully submitted that none of the applied art, alone or in combination, teaches or suggests that the head actuator has a shape in which the elastic members are attached to the arm at an obtuse angle with respect to the direction in which the arm extends so that the elastic members are inclined towards the disk. Thus, it is respectfully submitted that one of ordinary skill in the art would not be motivated to combine the features of the applied art because such combination would not result in the claimed invention. As a result, it is respectfully submitted that claim 4 is allowable over the applied art.

Claims 2 and 3 depend from claim 1 and include all of the features of claim 1. Thus, it is respectfully submitted that the dependent claims are allowable at least for the reason claim 1 is allowable as well as for the features they recite.

Claims 5-7 depend from claim 4 and include all of the features of claim 4. Thus, it is respectfully submitted that the dependent claims are allowable at least for the reason claim 4 is allowable as well as for the features they recite.

Withdrawal of the objection is respectfully requested.

Newly-added claims 9 and 10 also include features not shown in the applied art.

Further, Applicants assert that there are also reasons other than those set forth above why the pending claims are patentable. Applicants hereby reserve the right to submit those other reasons and to argue for the patentability of claims not explicitly addressed herein in future papers.

In view of the foregoing, reconsideration of the application and allowance of the pending claims are respectfully requested. Should the Examiner believe anything further is desirable in order to place the application in even better condition for allowance, the Examiner is invited to contact Applicants' representative at the telephone number listed below.

Should additional fees be necessary in connection with the filing of this paper or if a Petition for Extension of Time is required for timely acceptance of the same, the Commissioner is hereby authorized to charge Deposit Account No. 18-0013 for any such fees and Applicant(s) hereby petition for such extension of time.

Dated: June 5, 2006

Respectfully submitted,

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Enclosure(s):
Amendment Transmittal
Replacement Sheet(s) of Drawings Figures 3A, 11A, 11B, 13A and 13B
Annotated Marked-up Drawings Figures 3A, 11A, 11B, 13A and 13B

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FIG. 3A

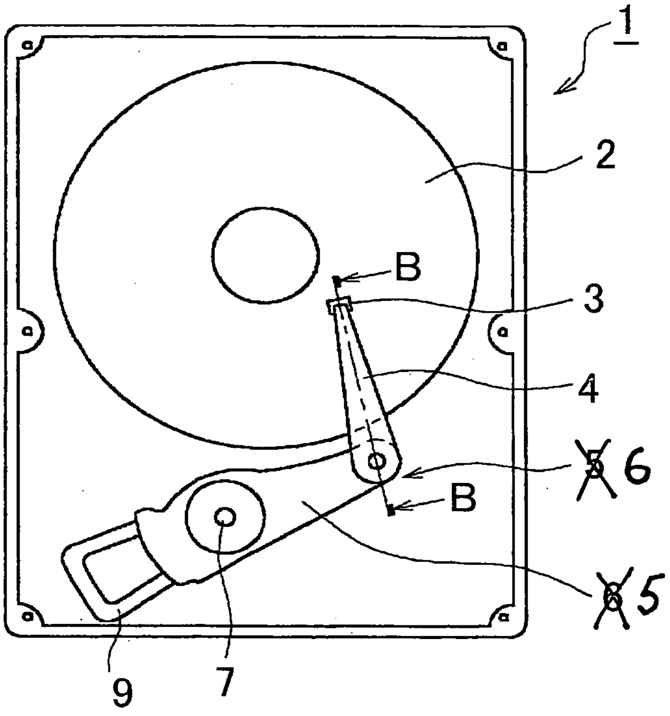
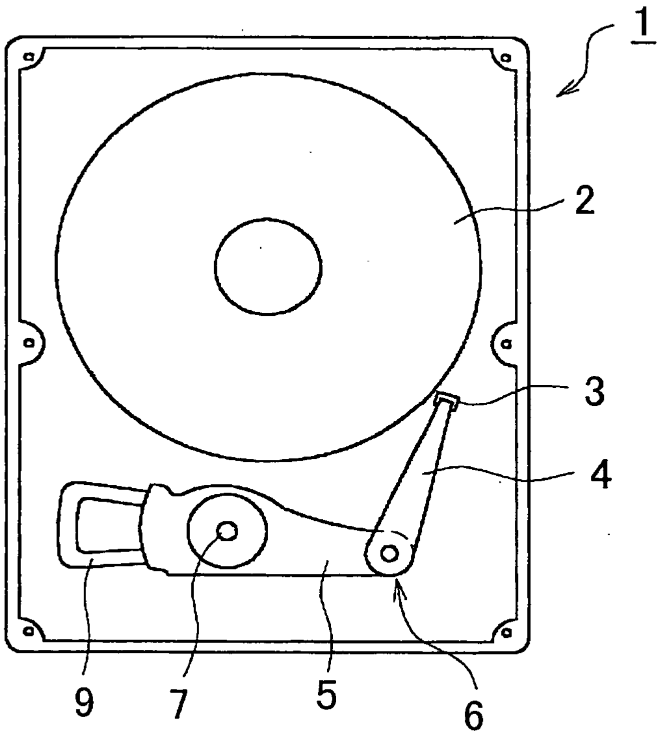


FIG. 3B



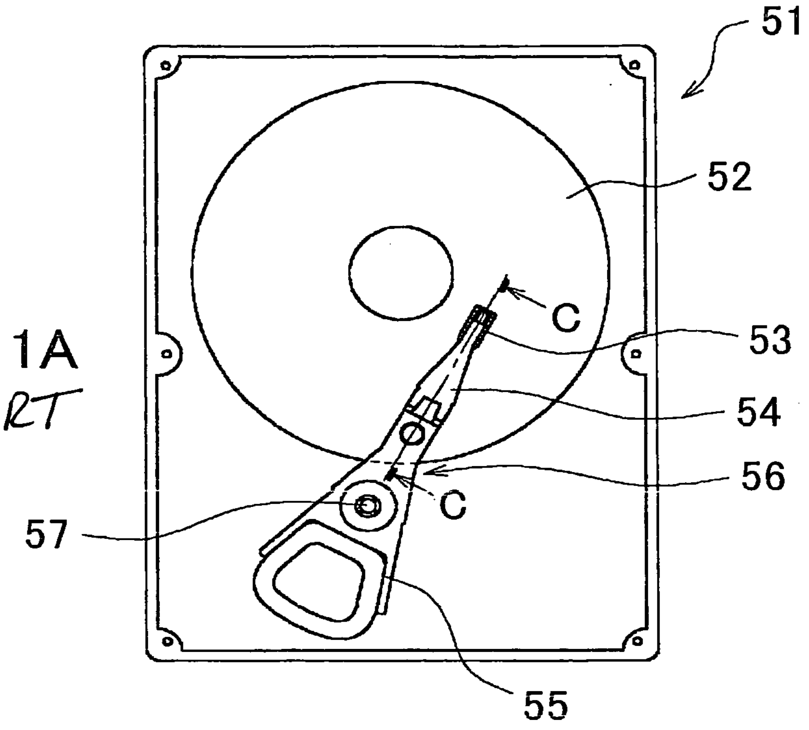


FIG. 11A
RELATED ART

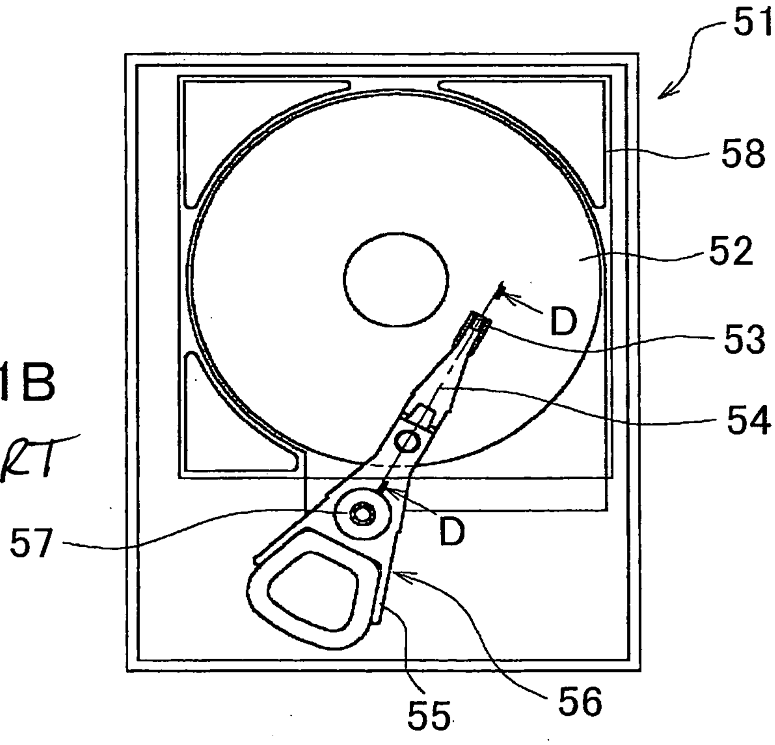


FIG. 11B
RELATED ART

RELATED ART

ANNOTATED SHEET

FIG. 13A RELATED ART

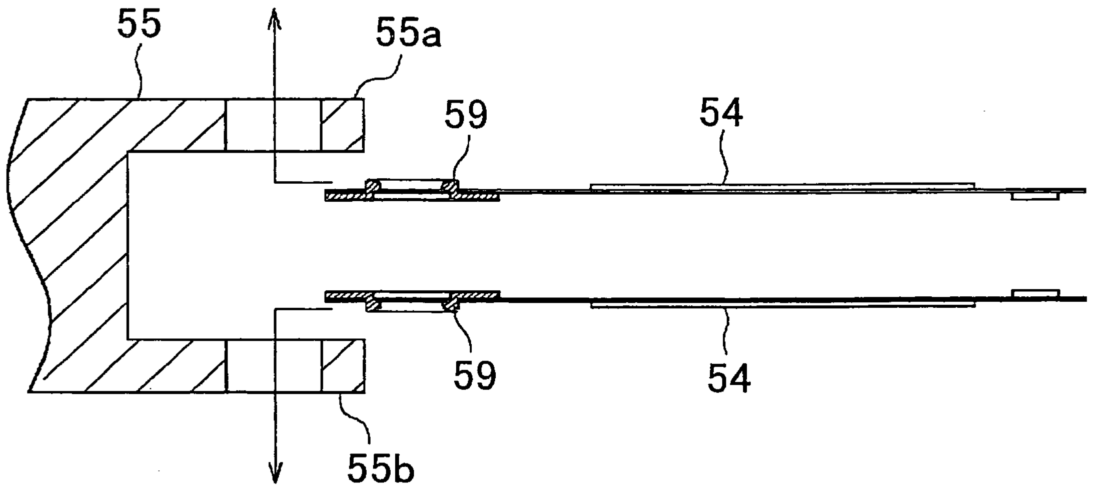
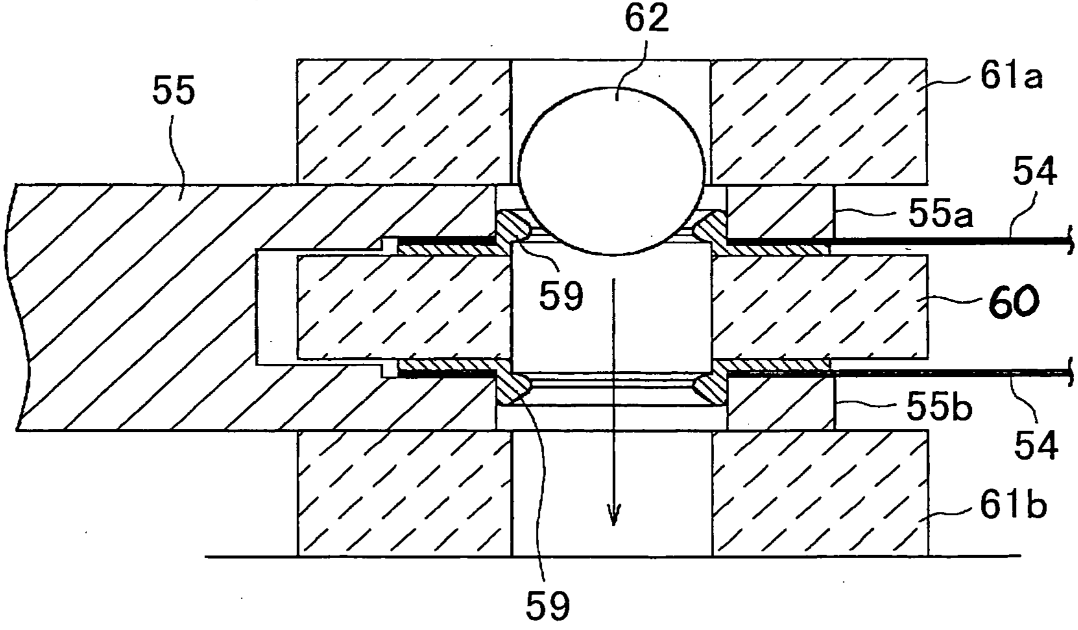


FIG. 13B RELATED ART



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